

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



Bay Area Branch

690 Walnut Ave.St. 150

Vallejo, CA 94592-1133

(707) 649-5453

(707) 649-5493

Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 69.28**WELDING INSPECTION REPORT****Resident Engineer:**Pursell, Gary**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-002189**Date Inspected:** 19-Apr-2008**Project Name:** SAS Superstructure**OSM Arrival Time:** 630**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1730**Contractor:** Zhenhua Port Machinery Company, Ltd (ZPMC), Changxing Island **Location:** Shanghai, China

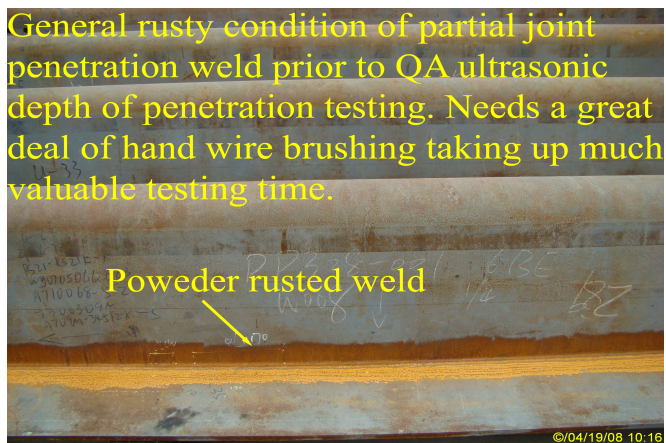
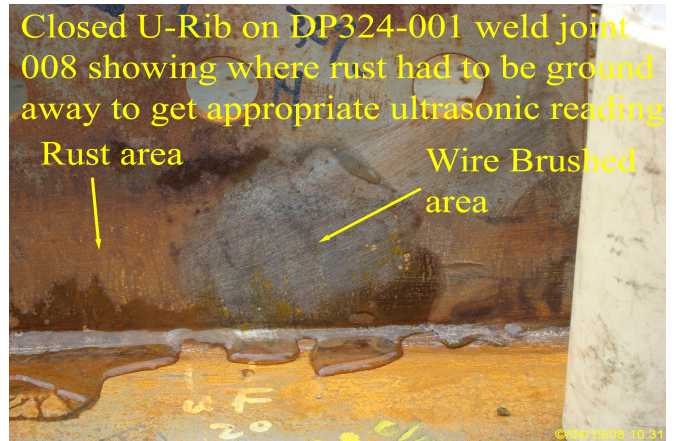
CWI Name:	N/A			CWI Present:	Yes	No	
Inspected CWI report:	Yes	No	N/A	Rod Oven in Use:	Yes	No	N/A
Electrode to specification:	Yes	No	N/A	Weld Procedures Followed:	Yes	No	N/A
Qualified Welders:	Yes	No	N/A	Verified Joint Fit-up:	Yes	No	N/A
Approved Drawings:	Yes	No	N/A	Approved WPS:	Yes	No	N/A
				Delayed / Cancelled:	Yes	No	N/A
Bridge No:	34-0006			Component:	OBG		

Summary of Items Observed:

This Quality Assurance Inspector (QAI) observed the condition of the deck panels in the yard which still require quality assurance ultrasonic testing (UT) for depth of penetration (DOP) of the closed u-rib welds. In order for the QAI to perform the UT it required and extraordinary amount of hand wire brushing to bring the surface in to an acceptable state for scanning. When UT was performed over the powder rust on the previously polished area's it was found a 20% full screen height (FSH) signal would become a 35% FSH signal after removal of the powdered rust. The amount of cleaning time required was approximately three times longer than the inspection allowing for very little testing to be conducted. It appears that a power wire brush, battery operated, would be very beneficial in allowing more inspection time and less cleaning time. The deck panels have laid out in the weather and even when covered have had the polished area's rusted up.

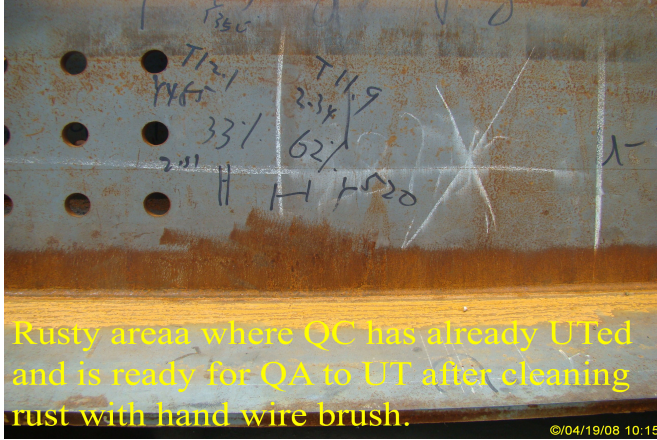
WELDING INSPECTION REPORT

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WELDING INSPECTION REPORT

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Summary of Conversations:

No conversations held today.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Mazen Wahbeh, (818) 292-0659, who represents the Office of Structural Materials for your project.

Inspected By:	Berger, Bruce
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Quality Assurance Inspector

Reviewed By:	Hager, Craig
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QA Reviewer
